

NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES

Applicant must file the items indicated below within the time period set the Office action to which the Notice is attached to avoid abandonment under 35 U.S.C. § 133 (extensions of time may be obtained under the provisions of 37 CFR 1.136(a)).

The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 C.F.R. 1.821 - 1.825 for the following reason(s):

- ☒ 1. This application clearly fails to comply with the requirements of 37 C.F.R. 1.821-1.825. Applicant's attention is directed to the final rulemaking notice published at 55 FR 18230 (May 1, 1990), and 1114 OG 29 (May 15, 1990). If the effective filing date is on or after July 1, 1998, see the final rulemaking notice published at 63 FR 29620 (June 1, 1998) and 1211 OG 82 (June 23, 1998).
- ☐ 2. This application does not contain, as a separate part of the disclosure on paper copy, a "Sequence Listing" as required by 37 C.F.R. 1.821(c).
- ☐ 3. A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 C.F.R. 1.821(e).
- ☐ 4. A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 C.F.R. 1.822 and/or 1.823, as indicated on the attached copy of the marked -up "Raw Sequence Listing."
- ☐ 5. The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A Substitute computer readable form must be submitted as required by 37 C.F.R. 1.825(d).
- ☐ 6. The paper copy of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" as required by 37 C.F.R. 1.821(e).
- ☐ 7. Other: _____

Applicant Must Provide:

- ☒ An initial or substitute computer readable form (CRF) copy of the "Sequence Listing".
- ☒ An initial or substitute paper copy of the "Sequence Listing", as well as an amendment directing its entry into the specification.
- ☒ A statement that the content of the paper and computer readable copies are the same and, where applicable, include no new matter, as required by 37 C.F.R. 1.821(e) or 1.821(f) or 1.821(g) or 1.825(b) or 1.825(d).

For questions regarding compliance to these requirements, please contact:

For Rules Interpretation, call (703) 308-4216

For CRF Submission Help, call (703) 308-4212

PatentIn Software Program Support

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See page 5



1600

1632

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/577,897

DATE: 02/15/2002

TIME: 13:35:06

Input Set : A:\01997.198007.SEQLIST.TXT

Output Set: N:\CRF3\02152002\I577897.raw

C--> 4 <110> APPLICANT: Horvitz, H. Robert
5 Yuan, Junying
6 Shaham, Shai
8 <120> TITLE OF INVENTION: Cloning, Sequencing and Characterization
9 of Two Cell Death Genes and Uses Therefor
12 <130> FILE REFERENCE: 01997/198007
14 <140> CURRENT APPLICATION NUMBER: 09/577,897
15 <141> CURRENT FILING DATE: 2000-05-27
17 <150> PRIOR APPLICATION NUMBER: US 08/287,669
18 <151> PRIOR FILING DATE: 1994-08-09
20 <150> PRIOR APPLICATION NUMBER: US 07/979,638
21 <151> PRIOR FILING DATE: 1992-11-20
23 <150> PRIOR APPLICATION NUMBER: US 07/897,788
24 <151> PRIOR FILING DATE: 1992-06-12
26 <160> NUMBER OF SEQ ID NOS: 31
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32 <212> TYPE: DNA
33 <213> ORGANISM: Caenorhabditis elegans
35 <220> FEATURE:
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37 <222> LOCATION: 4350, 4351
38 <223> OTHER INFORMATION: n = A,T,C or G
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49 ctgttttact cattcgcttt ttaaataaga actatatgcc gatttgccga tatatttttg 540
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53 ttatctgtaa gctttactgt atttttttaa aatctttctt gcttctatct gattatacaa 780
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58 gcgaaatcga atgccgcgct ttgagcacgg cacacacgag gctcatccac gactttgaac 1080

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Output Set: N:\CRF3\02152002\I577897.raw

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Output Set: N:\CRF3\02152002\I577897.raw

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 119 <213> ORGANISM: Caenorhabditis elegans
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 125 20 25 30
 126 Lys Asn Ile Phe Thr Glu Asp His Ser Glu Leu Ile Ser Lys Met Ser
 127 35 40 45
 128 Thr Arg Leu Glu Arg Ile Ala Asn Phe Leu Arg Ile Tyr Arg Arg Gln
 129 50 55 60
 130 Ala Ser Glu Leu Gly Pro Leu Ile Asp Phe Phe Asn Tyr Asn Asn Gln
 131 65 70 75 80
 132 Ser His Leu Ala Asp Phe Leu Glu Asp Tyr Ile Asp Phe Ala Ile Asn
 133 85 90 95
 134 Glu Pro Asp Leu Leu Arg Pro Val Val Ile Ala Pro Gln Phe Ser Arg
 135 100 105 110
 136 Gln Met Leu Asp Arg Lys Leu Leu Gly Asn Val Pro Lys Gln Met
 137 115 120 125
 138 Thr Cys Tyr Ile Arg Glu Tyr His Val Asp Arg Val Ile Lys Lys Leu
 139 130 135 140
 140 Asp Glu Met Cys Asp Leu Asp Ser Phe Phe Leu Phe Leu His Gly Arg
 141 145 150 155 160
 142 Ala Gly Ser Gly Lys Ser Val Ile Ala Ser Gln Ala Leu Ser Lys Ser
 143 165 170 175
 144 Asp Gln Leu Ile Gly Ile Asn Tyr Asp Ser Ile Val Trp Leu Lys Asp
 145 180 185 190
 146 Ser Gly Thr Ala Pro Lys Ser Thr Phe Asp Leu Phe Thr Asp Ile Leu
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 148 Leu Met Leu Lys Ser Glu Asp Asp Leu Leu Asn Phe Pro Ser Val Glu
 149 210 215 220
 150 His Val Thr Ser Val Val Leu Lys Arg Met Ile Cys Asn Ala Leu Ile
 151 225 230 235 240
 152 Asp Arg Pro Asn Thr Leu Phe Val Phe Asp Asp Val Val Gln Glu Glu
 153 245 250 255
 154 Thr Ile Arg Trp Ala Gln Glu Leu Arg Leu Arg Cys Leu Val Thr Thr
 155 260 265 270
 156 Arg Asp Val Glu Ile Ser Asn Ala Ala Ser Gln Thr Cys Glu Phe Ile
 157 275 280 285
 158 Glu Val Thr Ser Leu Glu Ile Asp Glu Cys Tyr Asp Phe Leu Glu Ala

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Output Set: N:\CRF3\02152002\I577897.raw

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161 305      310      315      320
162 Lys Thr Ile Glu Leu Ser Ser Gly Asn Pro Ala Thr Leu Met Met Phe
163      325      330      335
164 Phe Lys Ser Cys Glu Pro Lys Thr Phe Glu Lys Met Ala Gln Leu Asn
165      340      345      350
166 Asn Lys Leu Glu Ser Arg Gly Leu Val Gly Val Glu Cys Ile Thr Pro
167      355      360      365
168 Tyr Ser Tyr Lys Ser Leu Ala Met Ala Leu Gln Arg Cys Val Glu Val
169      370      375      380
170 Leu Ser Asp Glu Asp Arg Ser Ala Leu Ala Phe Ala Val Val Met Pro
171 385      390      395      400
172 Pro Gly Val Asp Ile Pro Val Lys Leu Trp Ser Cys Val Ile Pro Val
173      405      410      415
174 Asp Ile Cys Ser Asn Glu Glu Glu Gln Leu Asp Asp Glu Val Ala Asp
175      420      425      430
176 Arg Leu Lys Arg Leu Ser Lys Arg Gly Ala Leu Leu Ser Gly Lys Arg
177      435      440      445
178 Met Pro Val Leu Thr Phe Lys Ile Asp His Ile Ile His Met Phe Leu
179      450      455      460
180 Lys His Val Val Asp Ala Gln Thr Ile Ala Asn Gly Ile Ser Ile Leu
181 465      470      475      480
182 Glu Gln Arg Leu Leu Glu Ile Gly Asn Asn Asn Val Ser Val Pro Glu
183      485      490      495
184 Arg His Ile Pro Ser His Phe Gln Lys Phe Arg Arg Ser Ser Ala Ser
185      500      505      510
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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/577,897

DATE: 02/15/2002

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Input Set : A:\01997.198007.SEQLIST.TXT
 Output Set: N:\CRF3\02152002\I577897.raw

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 281 1 5 10
 284 <210> SEQ ID NO: 12
 285 <211> LENGTH: 12



Use of n and / or Xaa has been detected in the
 Sequence Listing. Review the Sequence Listing
 to ensure a corresponding explanation is present
 in the <220> to <223> fields of each sequence
 using n or Xaa.

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/577,897

DATE: 02/15/2002

TIME: 13:35:07

Input Set : A:\01997.198007.SEQLIST.TXT

Output Set: N:\CRF3\02152002\I577897.raw

L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:113 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:572 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:576 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:584 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:600 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:677 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21